

CLAIMS

I claim:

1 1. An in-wall dryer vent for venting to another floor,
2 comprising a tubular body having:

3 an upper portion including:

4 a planar front wall, planar side walls, an arcuate rear
5 wall, a top end, and a bottom end, the front wall, rear wall and
6 side walls defining a rectangular conduit at the bottom end, the
7 rear wall curving forward and joining the front wall at the top
8 end, the upper portion having a width extending between the side
9 walls and a depth extending from the front wall to the back
10 wall, the front wall having a circular opening defined therein;

11 a lower portion having a rectangular inlet joined to the
12 bottom end of the upper portion and having a rectangular outlet
13 end, the outlet end having a greater perimeter than the inlet;

14 an annular flange projecting from the circular opening
15 defined in the front wall of the upper portion, the annular
16 flange being adapted for attachment to a clothes dryer outlet;
17 and

18 an outlet tube extending from the outlet end of the lower
19 portion;

20 wherein said upper portion has a width and depth dimension
21 and configured for disposing the upper portion between adjacent
22 studs of a wall, the lower portion being adapted for expanding
23 cross-sectional area of the tubular body on a side of a floor
24 partition opposite the upper portion.

1 2. The in-wall dryer vent according to claim 1, further
2 comprising:

3 a mounting flange extending from the top end of said upper
4 portion, the mounting flange being L-shaped and having a first
5 wall extending from said upper portion and a second wall normal
6 to the first wall and extending toward the back of the tubular
7 body, the second wall being adapted for attachment to a cross
8 beam extending between the adjacent studs.

1 3. The in-wall dryer vent according to claim 1, further
2 comprising:

3 at least one L-shaped mounting flange extending outward
4 from said front wall, said mounting flange being adapted for
5 attachment to drywall.

1 4. The in-wall dryer vent according to claim 1, wherein
2 said upper portion has a width of less than sixteen inches and a
3 depth of less than three and one-half inches, whereby said upper
4 portion is dimensioned and configured for being placed between
5 two-by-four studs spaced sixteen inches on center.

1 5. The in-wall dryer vent according to claim 1, wherein
2 said upper portion and said lower portion are constructed from
3 metal.

1 6. The in-wall dryer vent according to claim 1, wherein
2 said upper portion and said lower portion are constructed from
3 plastic.

1 7. The in-wall dryer vent according to claim 1, wherein
2 said lower portion has a width of less than sixteen inches, and
3 has a depth of less than three and one-half inches at the inlet
4 and at least four inches at the outlet end.

1 8. The in-wall dryer vent according to claim 1, wherein
2 said annular flange has a diameter of about four inches.

1 9. The in-wall dryer vent according to claim 1, wherein
2 said outlet tube has a diameter of about four inches, being
3 adapted for attachment to dryer exhaust piping.

1 10. The in-wall dryer vent according to claim 1, wherein
2 the lower portion as a bottom wall normal to said outlet tube.

1 11. The in-wall dryer vent according to claim 1, wherein
2 the lower portion has a bottom wall sloping inward towards said
3 outlet tube.